

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Patent Number:** 7,122,416

**Issued:** 10/17/2006

**Name of Patentee:** Nevin et al.

**Title of Invention:** METHOD FOR FORMING A FILLED TRENCH IN A SEMICONDUCTOR LAYER, OF A SEMICONDUCTOR SUBSTRATE, AND A SEMICONDUCTOR SUBSTRATE WITH A SEMICONDUCTOR LAYER HAVING A FILLED TRENCH THEREIN

**Attention Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**REQUEST FOR CERTIFICATE OF CORRECTION  
OF PATENT FOR PTO MISTAKE (37 CFR 1.322(a))**

1. Attached, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

2. The exact page and line number where the errors are shown correctly in the application file are as follows: In the Specification of the Application:

In the abstract at line 9, delete "wells" and replace with "walls"

In column 1, line 23, insert a comma after the word "other"

In column 1, line 39, insert a comma after the word "as"

In column 1, line 44, delete "wells" and replace with "walls"

In column 1, line 52, insert a comma after the word "oxide"

In column 2, line 4, delete the word "wells" and replace with "wall"

In column 2, line 33, delete "mouth 9 into the trench 2." and replace with "mouth 8 into the trench 2."

In column 4, line 25, delete "in" and replace with "is"

In column 5, line 18, insert a comma after the word "layer"

In column 5, line 49, insert a comma after the word "not"

In column 7, line 30, delete "36" and replace with "35"

In column 7, line 39, insert a comma after "36"

In column 8, line 5, delete the word "is" after the word "lining"

In column 8, line 25, delete "62" and replace with "52"

In column 8, line 33, delete the word "opening" and replace with the word "tapering"

In column 8, line delete "numerals," and replace with "numerals."

In column 9, line 4, delete "26" and replace with "25"

In column 10, line 17, delete "26" and replace with "25"

In column 10, line 43, delete "etch" and replace with "etch,"

In column 11, line 14, delete "further" and replace with "other"

In column 11, line 18, delete "26" and replace with "25"

In column 11, line 20, delete "portions 40 of the trenches 25 and the trenches 25 them-" and replace with "portions 40 of the trenches 25, and the trenches 25 them-"

In column 11, line 22, insert a comma after the word "cycle"

In column 12, line 36, insert a comma after "25"

In column 12, line 67, insert a period and a space after "25"

In column 13, line 41, delete "isolation filled trench 25 formed therein. The filled is trench" and replace with "isolation filled trench 25 formed therein. The filled trench"

In column 13, line 66, insert a comma after the word "relieved"

In column 14, line 13, delete "66" and replace with "60"

In column 14, line 15, insert a comma after the word "oxide"

In column 14, line 37, delete "10," and replace with "10."


In column 15, line 35, delete "Were" and replace with "Where"

In column 15, line 37, insert a comma after the word "mouths"

In column 17, line 11, delete the word "plan" and replace with "plane"

---

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the USPTO via EFS web on the date shown below.

  
Elizabeth M. Ball  
Date 10-5-07

. Please send the Certificate to:

Name: Matthew E. Connors

Address: Gauthier & Connors, LLP

225 Franklin Street, Suite 2300

Boston, Massachusetts 02110

Reg. No.:33,298

SIGNATURE OF ATTORNEY

A handwritten signature in cursive script, appearing to read "Matthew E. Connors", written over a horizontal line.

Matthew E. Connors  
Gauthier & Connors, LLP  
225 Franklin Street, Suite 2300  
Boston, MA 02110  
Tel. No.: (617) 426-9180  
Extension 112

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 3

PATENT NO. : 7,122,416  
APPLICATION NO.: 10/699,503  
ISSUE DATE : 10/17/2006  
INVENTOR(S) : Nevin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the abstract at line 9, delete "wells" and replace with "walls"

In column 1, line 23, insert a comma after the word "other"

In column 1, line 39, insert a comma after the word "as"

In column 1, line 44, delete "wells" and replace with "walls"

In column 1, line 52, insert a comma after the word "oxide"

In column 2, line 4, delete the word "wells" and replace with "wall"

In column 2, line 33, delete "mouth 9 into the trench 2." and replace with "mouth 8 into the trench 2."

In column 4, line 25, delete "in " and replace with "is"

In column 5, line 18, insert a comma after the word "layer"

In column 5, line 49, insert a comma after the word "not"

In column 7, line 30, delete "36" and replace with "35"

In column 7, line 39, insert a comma after "36"

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Gauthier & Connors LLP  
225 Franklin Street Suite 2300  
Boston, MA 02110

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 7,122,416  
APPLICATION NO.: 10/699,503  
ISSUE DATE : 10/17/2006  
INVENTOR(S) : Nevin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 8, line 5, delete the word "is" after the word "lining"

In column 8, line 25, delete "62" and replace with "52"

In column 8, line 33, delete the word "opening" and replace with the word "tapering"

In column 8, line delete "numerals," and replace with "numerals."

In column 9, line 4, delete "26" and replace with "25"

In column 10, line 17, delete "26" and replace with "25"

In column 10, line 43, delete "etch" and replace with "etch,"

In column 11, line 14, delete "further" and replace with "other"

In column 11, line 18, delete "26" and replace with "25"

In column 11, line 20, delete "portions 40 of the trenches 25 and the trenches 25 them-" and replace with "portions 40 of the trenches 25, and the trenches 25 them-"

In column 11, line 22, insert a comma after the word "cycle"

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Gauthier & Connors LLP  
225 Franklin Street Suite 2300  
Boston, MA 02110

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 3

PATENT NO. : 7,122,416  
APPLICATION NO.: 10/699,503  
ISSUE DATE : 10/17/2006  
INVENTOR(S) : Nevin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 12, line 36, insert a comma after "25"

In column 12, line 67, insert a period and a space after "25"

In column 13, line 41, delete "isolation filled trench 25 formed therein. The filled is trench" and replace with "isolation filled trench 25 formed therein. The filled trench"

In column 13, line 66, insert a comma after the word "relieved"

In column 14, line 13, delete "66" and replace with "60"

In column 14, line 15, insert a comma after the word "oxide"

In column 14, line 37, delete "10," and replace with "10."

In column 15, line 35, delete "Were" and replace with "Where"

In column 15, line 37, insert a comma after the word "mouths"

In column 17, line 11, delete the word "plan" and replace with "plane"

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

Gauthier & Connors LLP  
225 Franklin Street Suite 2300  
Boston, MA 02110

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*